



Project Profile

Lead: Sid Rele



1. Project Title

Cost-effectiveness of reducing length of stay for total joint arthroplasty

2. Project Summary

The length of time that patients are staying in hospital after a total hip or knee replacement is reducing. In some parts of the world, some patients are leaving on the same day as their surgery or the next day after their surgery. However, cutting unnecessary time spent in hospital by accelerating a patients' recovery, while reducing the risk of complications and readmission, is a balancing act.

Sid's PhD research project aims to understand:

1. Patients and surgeons thoughts, perceptions and opioid about how long patients stay in hospital and where they go after their joint replacement;
2. The outcomes of patients that have shorter lengths of stay and those that go directly home;
3. The costs associated with reducing length of stay and going home after surgery.

Through surveys, interviews and analysing large amounts of data, Sid's work will inform how to further streamline ERAS pathways **safely** for those with severe osteoarthritis.

3. Project Assistance

The following types of assistance from the consumer includes:

- Non-scientific input into study findings
- Feedback on appropriateness of interview schedules and may participate in reviewing findings
- Review and feedback of translational outputs (eg. manuscripts, figures, presentations)

4. Time Commitment

The Research Lead has requested a commitment of roughly 3 hours a month. Meetings may be every 2 months for up to an hour in duration. An extra 2 hours can be allocated per month to review documents dependent on the volume of translational output.

Meetings may be held via the phone, video conference or in-person as the consumer prefers.



5. A bit about the researcher...

Siddharth (Sid) is a medical student currently undergoing his PhD training. His research currently focuses on the length of stay for patients undergoing joint replacement surgery but his specific research interests lie in investigating the impact of reducing length of stay on short- and long-term patient outcomes and their related costs.

His broader research interest also includes patient-related factors that impact outcomes of total joint replacement.

Sid also presides the Student Orthopaedic and Musculoskeletal Association (SOMA) in 2022. SOMA is a student association that fosters an active culture of research engagement, peer to peer support and teaching amongst the student cohort in medical and health sciences disciplines.